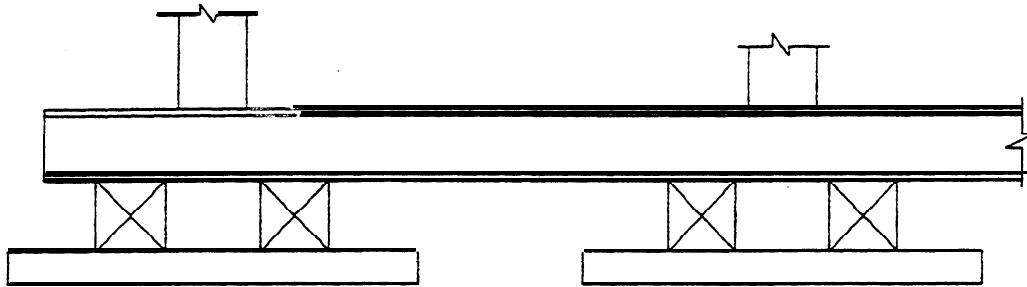
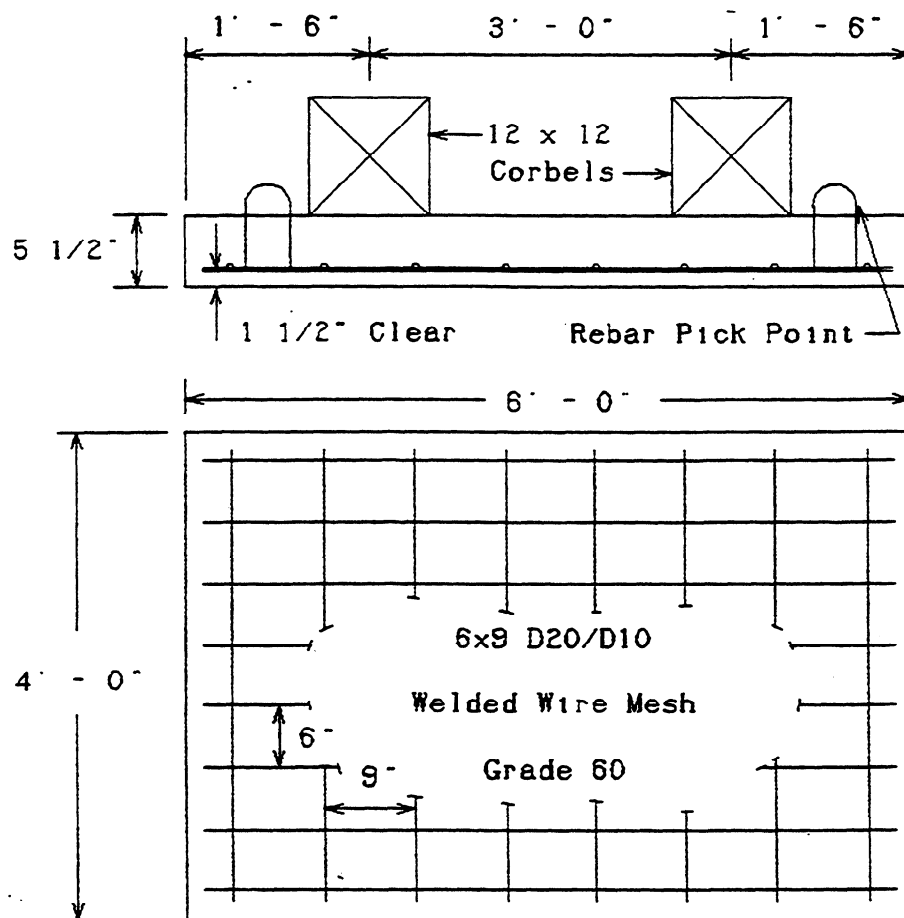


CONCRETE PADS

Appropriately designed portable concrete slabs may be used as falsework pads.



One portable concrete slab, 6 feet by 4 feet by 5 1/2 inches in depth, reinforced with a bottom mat of welded wire mesh, as depicted below has been reviewed as a substitution for timber pads.



Design and analysis were completed using text-book load factor design for concrete. The concrete pads meet the criteria of wood pads as outlined in Section 7-2.03B, "Pad Analysis at Exterior Posts", of the falsework manual.

PERMITTED USE

Concrete pads which are fabricated as indicated above may be used in lieu of timber pads for falsework. Concrete strength shall not be less than $f'c = 3,500$ psi.

The reinforcing welded wire mesh is to be grade 60. The concrete pad is to be fabricated with the reinforcing mat 1 1/2" clear above the base of the pad and with the 9" spacing placed in the long direction of the pad.

The location of the corbels on the concrete pads is critical because of flexural considerations. Two corbels per concrete pad shall be located only as shown in the drawing on the previous page. Corbels shall be long enough to extend the full width of the concrete pads.

Design soil bearing pressure for these portable concrete pads is not to exceed 4,000 psf.

A certificate of compliance from the pad fabricator should be obtained for concrete pads to be used on the project. The certificate of compliance should contain the following information:

- 1 . It should certify that the concrete meets the compressive strength requirements.
- 2 . It should certify that the steel mesh is of the type and quality specified.
- 3 . It should certify that the pad is fabricated as indicated in the sketch.
- 4 . It should bear the seal of the design engineer.
- 5 . It should indicate how the individual pads may be identified.